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IJEIP et al.  
Appl. No. 10/566,978

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) Process for the preparation of a hydrocarbylated metal organic compound, comprising a hydrocarbyl group, a spectator ligand and optionally a ligand, by contacting a metal-organic reagent with a spectator ligand in the presence of at least 2 equivalents, with respect to the metal-organic reagent, of a hydrocarbylating agent.

2. (Previously Presented) Process according to claim 1, wherein the hydrocarbylating agent comprises a metal or a metalloid chosen from group consisting of 1, 2, 11, 12, 13 and 14.

3. (Original) Process according to claim 2, wherein the hydrocarbylating agent comprises Li, Mg, Zn, or Al.

4. (Previously Presented) A process according to claim 1, wherein the spectator ligand is an imine ligand, or an HA adduct of an imine ligand, wherein HA represents an acid, of which H represents its proton and A its conjugate base.

5. (Original) A process according to claim 4, wherein the metal of the metal-organic reagent is a group 3-11 metal.

6. (Previously Presented) A process according to claim 1, wherein the spectator ligand is represented by  $(HA_1)_q (-Z)_n (A_2H)_r$ , wherein  $A_1$  and  $A_2$  are monoacidic cyclopentadienyl comprising ligands, with  $q$  and  $r$  representing an integer denoting the number of Cp ligands with  $q+r = 1$  or 2, optionally linked by  $n$  bridging groups  $Z$ ,  $A_1$ ,  $A_2$

IJEIP et al.  
Appl. No. 10/566,978

seperately, or bonded via Z together forming a bidentate diacidic spectator ligand and n being an integer denoting the number of parallel bridging groups Z.

7. (Currently Amended) A process according to claim 1, wherein the ligand is a ligand according to the formula  $\text{HCp}^*-\text{Z}-\text{Y}(\text{H})_b$ , in which  $\text{Cp}^*$  is a delocalized  $\eta^5$  bonding cyclopentadienyl comprising ligand, wherein Y is a ligand bonded to Z comprising nitrogen, phosphorus, oxygen or ~~sulfure~~ sulfur and having up to 20 non-hydrogen atoms,

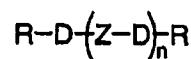
wherein Z is a moiety comprising boron, or a member of Group 14, and also sulfur or oxygen, said moiety having up to 20 non-hydrogen atoms, and optionally  $\text{Cp}^*$  and Z together form a fused ring system and  $b=0$  or 1.

8. (Previously Presented) A process according to claim 6, wherein the metal is a group 4, or 5 metal or metalloid, or a metal selected from the lanthanide series.

9. (Previously Presented) A process according to claim 1, wherein the ligand, represented by  $(\text{Ar}-\text{Z}-)_s\text{Y}(-\text{Z}-\text{DR}'_n)_q$ , with, Y representing an anionic moiety, Z an optional bridging group between the Y moiety and the  $\text{DR}'_n$  and/or Ar group, D an electron-donating hetero atom chosen from group 15 or 16,  $\text{R}'$  an optional substituent, Ar an electron-donating aryl group, n the number of  $\text{R}'$  groups bonded to D, q and s integers with  $q + s \geq 1$ .

10. (Original) A process according to claim 9, wherein the metal is a group 4 metal with a valency of 3.

11. (Previously Presented) A process according to claim 1, wherein the ligand is represented by



IJEIP et al.  
Appl. No. 10/566,978

wherein Z is a bridging group, between two donor atom containing groups (D), D an electron-donating group comprising a hetero atom chosen from group 15 or 16, n is the number of (Z-D) groups, and R is a substituent.

12. (Original) A process according to claim 11, wherein the metal is a metal from group 7-11.

13.-19. (Canceled)